



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,414	06/25/2003	Hung-Jiun Yin	A3-104 US	3450
23683	7590	05/26/2004		
MOLEX INCORPORATED 2222 WELLINGTON COURT LISLE, IL 60532			EXAMINER VU, HIEN D	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 05/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/603,414

Applicant(s)

eYIN ET AL.

Examiner

Hien D. Vu

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Art Unit: 2833

1. Claims 1-7 are objected to because in claim 1, line 1, "electrically" should be deleted, claim 5, line 2, it is unclear whether the feature "one end of the spring supporting portions" is the same or different with the feature "the one end ... portion" recited in claim 1, line 6.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

3. (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-2, 4-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Wu (338).

The disclosure of Wu provides a complete response to each and every element set forth in the claim. For example: Figs. 4-6 show an insulative housing 2, a plurality of slots 272 for receiving terminals 5, each of the terminals having an U-shaped spring supporting portion 53, a vertical arm 52 and a contact tip 51 extending from the bottom end of the vertical arm for contact one contact of a circuit board 9.

As to claim 2, each of the slots of the housing have a bottom end terminating in a narrow passage 273 cut through a bottom side of the housing with one bearing sidewall adapted to support the vertical arm 52.

As to claim 4, the bearing sidewall slopes in one direction.

As to claim 5, each of the terminals further has a slope portion (not labeled) extending from one end of the spring supporting portion is read as the recited position portion.

Art Unit: 2833

As to claim 6, each of the terminal further has a curved contact portions 54 upwardly extended from one side of the position portion.

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:


(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wu (338) in view of Fairbairn et al (3,611,272).

Wu does not show the bearing sidewall having a protruded stop portion. Fairbairn, fig. 4 shows a bearing sidewall of the housing 17 having a protruded stop portion 27. It would have been an obvious to one with skill in the art to modify the connector of Wu by forming the bearing sidewall with a protruded stop portion, as taught by Fairbairn, in order to prevent the vertical arm from moving.

7. Natori et al, Fedorjaka, Bricaud et al, Chang, Wu (848) and Bryce et al are cited for disclosure of electrical connector contact elements.

8. Any inquiry concerning this communication should be directed to Hien D Vu at telephone number (571) 272-2016.


HIEN VU
PRIMARY EXAMINER